

**INTERNATIONAL SEARCH REPORT**

International Application No  
PCT/US2004/034680

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07K14/47 C07K19/00 A61K38/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, WPI Data, EMBASE, BIOSIS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category <sup>a</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/57068 A (APOSTOLOPOULOUS VASSO ; AUSTIN RES INST (AU); MCKENZIE IAN F C (AU); P) 9 August 2001 (2001-08-09) -----	
A	WO 96/03502 A (UNIV RAMOT ; WRESCHNER DANIEL H (IL)) 8 February 1996 (1996-02-08) -----	
A	WO 00/25827 A (MASSIMO ANNA MARIA DI ; MENARINI RICERCHE SPA (IT); PARENTE DINO (IT);) 11 May 2000 (2000-05-11) -----	
A	US 5 766 883 A (GOODEY ANDREW R ET AL) 16 June 1998 (1998-06-16) cited in the application ----- -/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

28 December 2004

Date of mailing of the international search report

10/01/2005

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Fotaki, M

## INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03/088995 A (ABSORBER AB ; HOLGERSSON JAN (SE)) 30 October 2003 (2003-10-30) the whole document -----	1-14
P, X	WO 2004/044160 A (DANA FARBER CANCER INST INC ; ILEX PRODUCTS INC (US); KUFE DONALD W (U) 27 May 2004 (2004-05-27) the whole document -----	1-9
P, X	US 2004/018181 A1 (KUFE DONALD W ET AL) 29 January 2004 (2004-01-29) the whole document -----	1-14
P, X	BACKSTROM MALIN ET AL: "Recombinant MUC1 mucin with a breast cancer-like O-glycosylation produced in large amounts in Chinese-hamster ovary cells." BIOCHEMICAL JOURNAL, vol. 376, no. 3, 15 December 2003 (2003-12-15), pages 677-686, XP002312069 ISSN: 0264-6021 the whole document -----	1-9

## INTERNATIONAL SEARCH REPORT

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PCT/US2004/034680

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 10-14 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No  
PCT/US2004/034680

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 0157068	A 09-08-2001	US WO AU CA EP JP	6548643 B1 0157068 A1 2987701 A 2399026 A1 1257565 A1 2003533181 T	15-04-2003 09-08-2001 14-08-2001 09-08-2001 20-11-2002 11-11-2003
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